

PR/161373 | Production Equipment Maintenance Engineer

Job Information

Recruiter
JAC Recruitment Malaysia

Job ID
1623353

Industry
Other (Manufacturing)

Job Type
Permanent Full-time

Location
Malaysia

Salary
Negotiable, based on experience

Refreshed
November 17th, 2026 10:17

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Fluent Level

Minimum Japanese Level
Daily Conversation Level

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

A leading global semiconductor technology company is seeking a Production Equipment Maintenance Engineer to support the launch of a new manufacturing line for AI-related power module products at one of its facilities. This role combines equipment maintenance, reliability engineering, equipment installation, automation support, and new production line startup activities. It also offers the opportunity to transfer to Japan.

You will be responsible for maintaining high equipment availability, improving manufacturing reliability, supporting equipment commissioning, and driving operational excellence across advanced automation and semiconductor manufacturing systems.

Working closely with Manufacturing Operations, Production Engineering, Equipment Suppliers, Automation, and Quality teams, you will contribute directly to the successful ramp-up of a strategically important production line.
The ideal candidate has experience in manufacturing equipment engineering, maintenance, troubleshooting, reliability improvement, and production startup support within high-volume manufacturing environments.

Key Responsibilities

- Perform maintenance activities to support semiconductor module production equipment.
- Execute preventive maintenance programs and equipment reliability initiatives.
- Diagnose equipment failures, perform root-cause analysis, and implement corrective actions.
- Drive improvements in equipment uptime, OEE, and manufacturing availability.
- Support the installation, commissioning, qualification, and startup of new manufacturing equipment.
- Participate in factory acceptance tests (FAT), site acceptance tests (SAT), and production readiness activities.
- Support robotics, automated transfer systems, and manufacturing automation technologies.
- Develop and maintain equipment maintenance standards, work instructions, and technical documentation.
- Coordinate with manufacturing, automation, quality, and engineering teams to resolve complex equipment issues.
- Lead continuous improvement initiatives focused on equipment performance and manufacturing efficiency.

Key Requirements

- Experience in equipment maintenance, production equipment engineering, or manufacturing engineering.
- Practical experience troubleshooting and improving manufacturing equipment.
- Fundamental knowledge of mechanical engineering, electrical engineering, or control systems.
- Strong problem-solving and root-cause analysis skills.
- Ability to work effectively across multiple organizations and disciplines.
- Willingness to support shift-based manufacturing environments when required.
- Strong communication and teamwork skills.

Preferred Qualifications

- Experience maintaining semiconductor manufacturing equipment.
- Experience supporting power module manufacturing equipment or electronics production systems.
- Knowledge of PLC control systems, servo systems, and industrial automation technologies.
- Experience working with robotic manufacturing systems.
- Knowledge and implementation experience of TPM (Total Productive Maintenance).
- Ability to read and understand technical documentation in English.
- Experience supporting factory expansions, equipment startups, or manufacturing ramp-up programs.

What Our Client Offer

- Opportunity to transfer to Japan

Notice: By submitting an application for this position, you acknowledge and consent to the disclosure of your personal information to the Privacy Policy and Terms and Conditions, for the purpose of recruitment and candidate evaluation.

Privacy Policy Link: https://www.jac-recruitment.my/privacy-policy
Terms and Conditions Link: https://www.jac-recruitment.my/terms-of-use

Company Description